



IMAGING SYSTEM RELEASE NOTES

Version 2.0
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Department of Veterans Affairs
VISTA Software Development
Technical Services

Preface

Purpose of the Release Notes

The following Release Notes document describes new features and functions, as well as enhancements to existing functionality, of Imaging System V. 2.0 software. It is a component of the complete set of **VISTA** standard software documentation, which includes:

- Release Notes
- Installation Guide
- Security Guide
- Technical Manual
- User Manual

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New Features

1.1 General Features

- Imaging System V. 2.0 has a windows-based graphical user interface. The workstation software runs under MS Windows NT workstation or Windows 95. Images are stored on MS Windows NT servers and jukeboxes. A list of tested hardware is available from the Imaging System Website.

Attention: Please do not purchase equipment without checking this list.

- Imaging System V. 2.0 allows users to view multiple “screens” or “windows” containing different types of data on their monitor at one time.
- User preferences are stored and applied each time a user logs into **VISTA** on the workstation.
- New security features have been implemented to protect image data.
- Workstation software is easy to install using the setup files provided. Software on the workstations can be automatically updated from a system server after initial workstation installation.
- Imaging System V. 2.0 uses the VA’s RPC Broker software for access to the **VISTA** hospital information system.
- User access is tracked to allow monitoring of system usage. This allows medical centers to provide additional training as needed, or to redistribute workstations more appropriately.

1.2 New Display Features

- Users may determine the size and location of the Imaging System V. 2.0 windows on their workstation. They can then save their “user preferences” so their workstation will have the same appearance each time they log in. User preferences are saved and used each time the user logs in, regardless of what workstation is used.
- Users have the ability to resize the images that are displayed. They may also select the number and layout of abstracts displayed.
- Images may be viewed by several means. The user may click on an image abstract (or small thumbnail image). There is also a list of image descriptions

for the chosen patient; the user may click on the description to view the full resolution image.

- Users may view up to two radiology images at once. The contrast and brightness (window and level) of displayed radiology images may be modified.
- Imaging System V. 2.0 allows the display of scanned documents and motion video clips.
- Users may print images to black and white or color network printers. They may copy images to clipboard for authorized uses.
- Users may print reports associated with images.
- For display purposes, images stored on jukebox devices may be treated differently than those stored on magnetic devices.
- Imaging System V. 2.0 gives users the ability to access medical records including text and images from remote VA Medical Centers over the VA internal network (IDCU), if appropriate access privileges are assigned.

1.3 New Capture Features

- Imaging System V. 2.0 supports image capture from new image acquisition devices such as TWAIN scanners, meteor capture board, still video cameras, X-ray scanners, as well as the Truevision AT-VISTA board.
- Imaging System V. 2.0 can capture new image types, such as compressed images, documents, and 8 and 24 bit color images.
- Imaging System V. 2.0 supports additional file formats for saved images (i.e., JPG, TIF).
- More than one type of image can be captured on a particular workstation. More than one capture device may be connected to a workstation.
- Users can import images stored in standard formats (i.e., .TGA, .JPG, and .BMP) on local workstation hard drives. This allows the importing of images captured by standalone commercial workstations.
- Users enter short and long descriptions for images in windows-based text boxes.
- Users may save images to servers located at other sites, if appropriate access privileges are assigned.

- Images may be saved individually or as members of groups of images. Typically, all images pertaining to a particular procedure are stored as a group. Images within a group may be of different types.

1.4 New Configuration Features

A windows-based interface is provided for initial setup of workstations.

New Features